



## CONTENTS

Vice President's Column	1		
Geoscience Information Society 2022 Officers	2	Member Publications & Geoscience Librarianship 101	7
Review: Vision & Change in the Geosciences	3	Call for GSIS Award Nominations	8-10
GeoWonders	4-5	New Geoscience Open Access Publication	11
Movin' & Shakin'	6		

## Vice President's Column:

By Linda Musser

**GSIS activities at the 2022 Geological Society of America Annual Meeting:** The GSIS will not host a technical session this year but we do have activities planned for those who are able to attend the Denver GSA meeting

(<https://community.geosociety.org/gsa2022/home>)

in person. The GSIS events will be concentrated over two days – Sunday (10/9/22) and Monday (10/10/22). **Sunday** activities will include a field trip and a no-host dinner while Monday will be devoted to exploring the GSA Annual Meeting offerings.

**Monday morning**, following on-site check-in, there will be time to enjoy some of the technical sessions and posters before heading to the Exhibit Hall for some team-based cruising of exhibits and chatting with vendors. GSA has a special lunchtime townhall scheduled on the topic of “*Culture and Ethics of Geologic Sampling*”. The townhall is designed as an interactive session that will examine issues related to archiving of collections, liability, sustainability, and cultural sensitivity.

On **Monday afternoon**, the GSIS will host a Professional Issues Forum for those attending in person. A summary of the session will be shared post-GSA and will be the topic of a future GSIS webinar. There will be time in the afternoon to

attend more technical sessions and spend more time talking to Exhibitors. (At least one GSIS member will be presenting on Monday; details will be forthcoming.) Dinner plans are still fluid but a brew pub may be involved! There are no GSIS activities scheduled for **Monday evening** so that members can attend the alumni receptions.

**Important dates to remember:** Whether you plan to attend in person or virtually, the early bird registration deadline is September 6. One day registration (early) is \$325; afterwards \$400. We have scheduled the GSIS activities such that only a one-day registration is required unless you plan to participate in GSA sessions later in the week.

### Other upcoming GSIS events:

The annual business meeting will be held virtually following the GSA meeting. The date and time will be shared as soon as it is finalized.

Future GSIS webinars will feature representatives from the USGS Library and the International Association for Geoscience Diversity. Suggestions for other webinars topics or organizations are always welcome and can be sent to Linda Musser ([lindamusser@psu.edu](mailto:lindamusser@psu.edu)).

## Geoscience Information Society 2022 Officers:

---

### President

Monica Pereira  
Head of Collection & Resource Management  
California State University Channel Islands  
John Spoor Broome Library  
One University Drive  
Camarillo, CA 93012  
Phone: (805) 437-3654  
e-mail: [monica.pereira@csuci.edu](mailto:monica.pereira@csuci.edu)

### Vice President (President-Elect)

Linda Musser  
Distinguished Librarian and Head Earth and Mineral  
Sciences Library  
Fletcher L. Byrom Earth and Mineral Sciences  
Library  
Phone: (814) 863-7073  
e-mail: [rm4@psu.edu](mailto:rm4@psu.edu)

### Immediate Past President

Emily Wild  
Chemistry, Geosciences and Envi Studies Librarian  
Lewis Science Library  
Princeton University  
(609) 258-5484  
[ewild@princeton.edu](mailto:ewild@princeton.edu)

### Secretary

Jenna Thomson  
A.C. Bennett Library  
Simon Fraser University  
8888 University Drive  
Burnaby, BC V5A 1S6  
Phone: (778) 782-6865  
e-mail: [jennat@sfu.ca](mailto:jennat@sfu.ca)

### E-mail List Moderator:

<https://lists.princeton.edu/cgi-bin/wa?A0=Geonet>  
Moderator: Emily Wild e-mail:  
[ewild@princeton.edu](mailto:ewild@princeton.edu)

### Publicity

Shaun Hardy  
Carnegie Institution for Science  
Earth and Planets Laboratory Library  
5241 Broad Branch Road, N.W.  
Washington, DC 20015  
Phone: (202) 478-7960  
e-mail: [shardy@carnegiescience.edu](mailto:shardy@carnegiescience.edu)

### Treasurer

Kelly Grove  
STEM Research and Learning Librarian  
Florida State University  
202A Dirac Science Library  
Phone: (850) 644-0023  
e-mail: [kegrove@fsu.edu](mailto:kegrove@fsu.edu)

**Web Site:** <http://www.geoinfo.org/>

### Webmaster

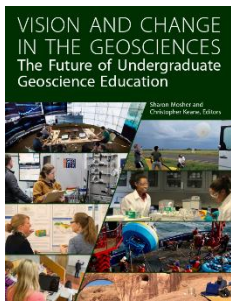
Wynn Tranfield  
email: [wynntranfield@library.ucla.edu](mailto:wynntranfield@library.ucla.edu)

### Newsletter Co-Editor(s)

Amanda Bielskas  
Columbia University Libraries  
401 Northwest Corner Building  
550 West 120th Street  
New York, NY 10027  
Phone: (212) 854-6767  
e-mail: [asb2154@columbia.edu](mailto:asb2154@columbia.edu)

Michael Noga  
MIT Libraries (retired)  
e-mail: [mnoga@mit.edu](mailto:mnoga@mit.edu)

The GSIS Newsletter is published quarterly, in Winter, Spring, Summer and Fall by the Geoscience Information Society. It is now published Open Access and is supported by GSIS memberships (individual or institutional). All correspondence regarding dues, membership status, and address changes should be directed to the GSIS Secretary. GSIS members are encouraged to contribute content for publication. Please send submissions by e-mail to the Newsletter Co-Editors Amanda Bielskas [asb2154@columbia.edu](mailto:asb2154@columbia.edu) or Michael Noga [mnoga@mit.edu](mailto:mnoga@mit.edu).



## **Review: Vision and Change in the Geosciences - The Future of Undergraduate Geoscience Education**

By Chris Badurek

As assessment of undergraduate education programs becomes embedded in teaching and learning in colleges across the country, geoscience departments are also focusing on student learning outcomes and greater clarity on what an undergraduate geosciences degree should accomplish for graduates. This brief but deeply rich AGI published synopsis aptly summarizes results from the NSF-funded *Future of Undergraduate Geoscience Education* project. Results are primarily drawn from workshop participation and surveys of geoscientists from an array of academic institutions and workforce areas. The primary questions addressed by this project include: 1) what Knowledge, Skills, and Abilities (KSAs) are needed by undergraduates, 2) What teaching and technology approaches best support student learning, and 3) how to effectively recruit a diverse geoscience workforce. The content of this report is condensed into seven short chapters that highlight the major survey and workshop results. The chapters highlight academic and workforce consensus on KSAs, 'backward design' curriculum redesign, effective instructional approaches, assessment through student learning outcomes, and career preparation. An interesting aspect of the report is the comparison between academic and employer views on what undergraduates should know upon graduation. Of greatest interest to the geoscience information community is the consensus on the need for student ability to integrate diverse sources of information to support conclusions, desire for GIS and data management skills, and ability to learn an array of technology to support field

work and processing of geoscience data. Another interesting teaching approach finding is the strong desire from employers to have students work with 'real-world data' to better understand the complexity and need for providing structure to often ambiguous or messy data sets. E-portfolios are also prominently highlighted as a key tool to enable effective assessment of student learning outcomes. The report concludes with strategies for recruiting and retaining a diverse and inclusive geoscience workforce, including greater collaboration with two-year colleges (e.g., community colleges) and with professional societies (e.g. GSA, AGU, and others). A multipage appendix is included which provides more detailed information on the survey results in the form of information graphics as well as further information on employer workshops and departmental progress reports.

I highly recommend this report as a quick digest of what changes are being made or will be made soon in geoscience departments across a variety of institutions including community colleges, private and public four-year colleges, and Research 1 level institutions. The editors have provided an exceptionally rich, yet succinct digest (178 pages) of a multiyear project and AGI has provided a great service publishing this beautifully designed paper publication at a low cost (\$9.00). In addition, a [PDF version is available from the AGI website](https://geosciencestore.org/vision-and-change-in-the-geosciences-the-future-of-undergraduate-geoscience-education/). Overall, this document is a required holding for all geoscience programs and should touch the desk of every geoscience department chair.

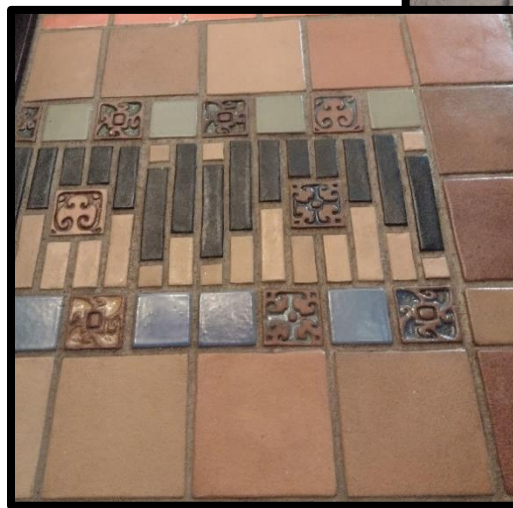
### **References**

Mosher, S., and Keane, C., Eds. 2021. Vision and Change in the Geosciences: The Future of Undergraduate Geoscience Education. American Geosciences Institute. <https://geosciencestore.org/vision-and-change-in-the-geosciences-the-future-of-undergraduate-geoscience-education/>

# GeoWonders

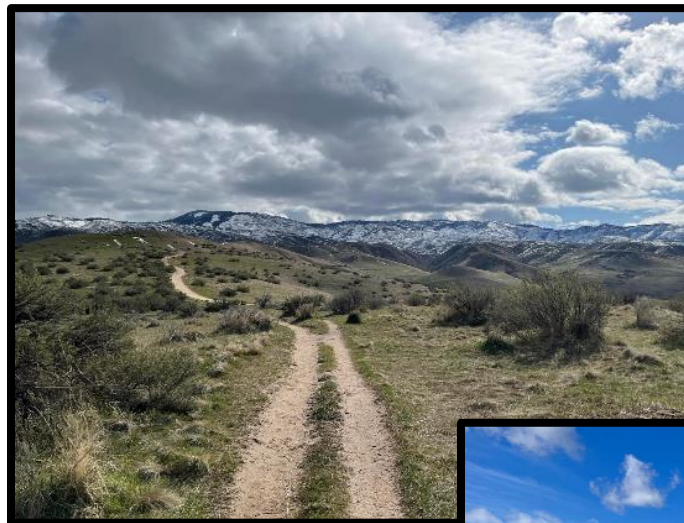
By Linda Musser

Art deco elevator lobby of the Architects Building, built in Philadelphia in 1929.  
When you just must have the perfect shade of brown....!



By Ashley Orehek

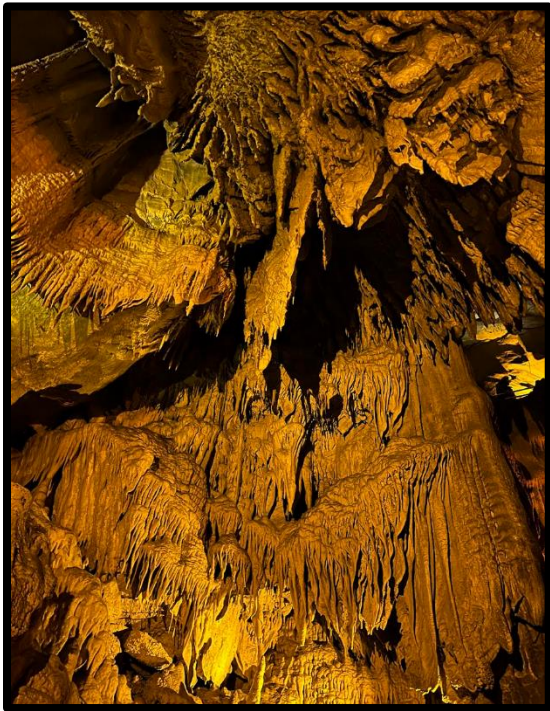
**Right:** I have a few views of the mountains and valley below north of Boise, ID. For me, it was like I was transported to a mountainous area of Europe. It was incredibly beautiful. I can't believe we have such beautiful landscapes in America.



# GeoWonders

By Ashley Orehek

**Below:** I have some photos from one of my first few trips inside Mammoth Cave National Park (Kentucky). There are so many beautiful stalagmites, stalactites, and other cave formations. I'm so glad to live so close to this beautiful feature. These photos are from my second trip inside (November 2021)



**Right:** I have a play on "sun dogs" with my dog posing in front of a beautiful July sunset at Dale Hollow Lake in Tennessee.



## Movin' & Shakin' (aka Member news)

### Chattanooga State's Hunter Takes Helm as TNLA President

*By Betty A. Proctor, Chattanooga State*

**July 1, 2022** (Chattanooga, TN) --- Chattanooga State's Dwight Hunter will officially step into the role of president for the Tennessee Library Association (TNLA) for the 2022-2023 year on July 1 after serving as vice president/president elect during 2021-2022. Hunter, a librarian in [Chattanooga State's Kolwyck Library and Information Commons \(KLIC\)](#) since 1992, holds a master's degree in Information Systems (MSIS) from the University of Tennessee at Knoxville.

"TNLA represents all libraries and all librarians across the state," explained Hunter. "Representatives from Academic libraries, Public libraries, School libraries, Special libraries, and from Trustees/Friends of Library sit on the Executive Board along with the elected officers."

As president, Hunter's goal is to support internal communications among all the groups and promote professional growth within their profession. An additional goal is to bring in like-minded statewide associations who can help TNLA strengthen their advocacy efforts. "I hope to keep TNLA as strong as it is now through our intellectual freedom and legislative committees to keep TNLA in the forefront of advocating and supporting all libraries and librarians," stated Mr. Hunter.

"I am proud of Dwight for his involvement in the Tennessee Library Association," said Susan Jennings, dean of Chattanooga State Library Services. "As a former president of the TNLA, I am so proud of Dwight's service to our profession as well as to our campus. His presidency shines a bright light on the amazing things all kinds of libraries across the state are accomplishing for their patrons as well as highlighting all the things that he and his amazing colleagues working at Chattanooga State are doing here at our wonderful library. I know Dwight will continue to accomplish great things in his career," added Ms. Jennings.

Dwight is already looking forward to the 2023 TNLA annual conference next April in Memphis where workshops will provide much needed information and networking for all who attend. "I believe our librarians across the state are stars - I hope to celebrate our work and efforts during the next 12 months," shared Hunter, who will then continue to serve on the TNLA Executive Board in 2023-2024 as immediate past president.



#### **PHOTO CUTLINE:**

*At left, Dwight Hunter, new 2022-2023 TNLA president, accepts the gavel from Sharon Edwards, outgoing TNLA president 2021-2022.*

**New Publications:** Pourret, O., Jackson, C., Goldstein, E. B., Teplitzky, S., & Hillman, J. Modern geoscience publishing. 16 May 2022 <https://geoscientist.online/sections/viewpoint/modern-geoscience-publishing/>

Teplitzky, S., Hardy, S., Johnson, K., Tolliver, R., Tschirhart, L., & Vardakosta, I. (2021). A Review of Open Educational Resources in the Geosciences: Guidelines and Criteria. <https://eartharxiv.org/repository/view/2750/>

The GSIS audit for the 2020 and 2021 books has been completed.  
Lori Tschirhart



### **Geoscience Librarianship 101:**

Save the date for Geoscience Librarianship 101, a two-day free virtual seminar on November 1-2, 2022, sponsored by the Geoscience Information Society. There will be topics like Collection Development to get a new geoscience information professional started, and current topics like Open Educational Resources for both new and experienced professionals. We are also looking to add a couple additional topics to the seminar this year. If you would like to participate, please contact either Clara McLeod ([cpmcleod@wustl.edu](mailto:cpmcleod@wustl.edu)) or Stephanie Earls ([stephanie.earls@dnr.wa.gov](mailto:stephanie.earls@dnr.wa.gov)) with potential topics.

## **GSIS Seeks Nominations for 2022 Ansari Distinguished Service Award**

Nominees are being sought for the Geoscience Information Society (GSIS) 2022 Mary B. Ansari Distinguished Service Award. The award recognizes and honors significant

contributions to the geoscience information profession. The award is named after Mary Ansari, a former GSIS President and strong supporter of the Society, and will be presented at the GSIS Annual Meeting. A monetary gift accompanies this award.

Membership in GSIS is not a requirement to receive the award. A list of previous award recipients is available at: <http://www.geoinfo.org/distinguished-service>.

The deadline for nomination letters is July 22, 2022. Please send nomination materials listed below by email ([cpmcleod@wustl.edu](mailto:cpmcleod@wustl.edu)) or regular mail to Clara P. McLeod, Washington University, MSC 1061-141-B 1 Brookings Drive, St. Louis, MO 63130:

- Your name and contact information
- Name, title, and contact information for the person you are nominating
- Resume or curriculum vita of the nominee
- Statement indicating why the nominee is deserving of this award
- Additional letters of support from other individuals endorsing the nomination

Please help us honor one of your colleagues with the 2022 Mary B. Ansari Distinguished Service Award!

Mary B. Ansari Distinguished Service Award Committee:

Clara P. McLeod, Chair

Marie Dvorzak

Cynthia Prosser

Robert (Bob) Tolliver



## CALL FOR NOMINATIONS

The GSIS Best Research Resource Award Committee is gearing up and making this call seeking your nominations for the annual Mary B. Ansari Best Research Resource Award for the best geosciences research resource publication or website. The award recognizes geoscience research resource works or works focused on information aspects of the geosciences. So, please nominate your favorite new research resource work for the 2022 Best Research Resource Award. Since 2016, the Best Website award has been rolled into this award, so if there's a great website you're aware of, feel free to nominate it.

Submissions will be evaluated using the following criteria:

- The work must have been published or produced within 3 years preceding the GSIS 2022 annual meeting (2020-2022).
- The title does not have to strictly be "geoscience" but it should have significant value to the geoscience information community.
- Local or specialized works can be considered if they are particularly high in quality and could serve as a model for other works.
- Formats other than monograph and webpage may be considered, for example tweets, online communities, maps, databases, etc.
- Any works nominated should be in a generally useable format (DVD, online, etc.), be generally available for purchase by libraries, and, theoretically, have a stable future.
- Although no work is specifically excluded from consideration, textbooks or monographs in geoscience or library/information science would not normally be considered.

Please send nominations to the chair of the committee by July 31, 2022.

Thank you for nominating your favorite research resource work!

2022 Committee members:

Amanda Bielskas ([asb2154@columbia.edu](mailto:asb2154@columbia.edu)), Chair

Rustin (Rusty) Kimball ([rkimball@library.tamu.edu](mailto:rkimball@library.tamu.edu))

Chrissy Klenke ([cklenke@unr.edu](mailto:cklenke@unr.edu))

Robert (Bob) Tolliver ([robert.tolliver@ndsu.edu](mailto:robert.tolliver@ndsu.edu))

Edward Lerner ([lener@vt.edu](mailto:lener@vt.edu))

## Call for nominations for 2022 Guidebook Awards:

The Guidebooks Committee of the [Geoscience Information Society](#) (GSIS) is accepting nominations for the 2022 Best Guidebook Award(s) and Outstanding Geologic Field Trip Guidebook Series award. Geologic field trip guidebooks from any region that were produced from 2020-2022 can be considered for the award, which is awarded in the fall at the annual meeting of the Geoscience Information Society. Via these awards, the GSIS seeks to recognize the value of guidebooks and reward examples of excellence. In addition to being outstanding in content, the nominated titles will be evaluated according to the criteria outlined in the [Guidelines for Authors, Editors, and Publishers of Geologic Field Trip Guidebooks](#) published by GSIS. A list of previous winners can be found [online](#). Awards will be given in the following categories:

- Best Guidebook Award(s) - The purpose of these awards is to recognize examples of excellence in geologic field trip guidebooks, with awards in **popular** and **professional** categories.
- Outstanding Geologic Field Trip Guidebook Series award - The purpose of this award is to recognize organizations that have made continued contributions to the geologic field trip genre over time.

Nominations, consisting of the title and bibliographic information (author, publisher, etc.) of the work or series, should be sent to the chair of the [Guidebooks Committee](#). The committee will begin the selection process in mid-August.

Kristen Adams, chair, GSIS Guidebooks Committee  
([adamsk3@miamioh.edu](mailto:adamsk3@miamioh.edu); 209 King Library, 151 S. Campus Ave. Oxford, OH 45056)

Also, for your information, the newly redesigned [Geologic Guidebooks of North America Database](#) is available for free searching. A collaborative project of the GSIS and the American Geosciences Institute, the goal of the database is to facilitate access to geologic field trip guidebooks and gather information about newly published works.



## New Geoscience Open Access Publication

By Samantha Teplitzky (via Seismica)

---



After more than 2 years of hard ground work, we are incredibly excited to finally announce the launch of [Seismica](#), a new Diamond Open Access Journal in

Seismology and Earthquake Science. Seismica is an independent journal, designed and built by a global team of researchers with the aim of making research in science and engineering freely available, with no publication or subscription fees.

[Seismica publishes](#) research articles, opinion articles, and a set of peer-reviewed reports including fast reports, null results/failed experiments, software reports, and instrument deployment/field campaign reports. We accept papers within the very broad scope of fault slip and earthquake source phenomena, earthquake records, imaging the Earth, theoretical and computational seismology, beyond Earth-tectonic applications, techniques and instrumentation, earthquake engineering and engineering seismology, and community engagement, communication, and outreach.

We are led by an [international team](#) of over 40 people spanning these disciplines, including experts in open science and data, equity, diversity and inclusion, outreach and communication, and digital media. These volunteers cover the traditional editorial roles like in any other journal as well as the journal's full-time management and operation (tech support, copy editing, branding and communications). As a community-run journal, we are designed to respond to community needs, and will continue to build our author, reviewer, and editor development programme over the coming months.

Seismica is hosted by the [McGill University Library](#) and runs on the Open Journal Systems platform, an open-source journal hosting system offered free by the [Public Knowledge Project](#). McGill is supporting the assignment of digital object identifiers (DOIs) to each article upon acceptance, so Seismica's articles are fully citable. On our launch day, we have already received several manuscript submissions.

For more information, please visit our website at [Seismica.org](#) and sign up to join the reviewer database (<https://seismica.eu.pythonanywhere.com/>) or join our mailing list for announcements ([Seismica Mailchimp Link](#)). Visit us on the web at [seismica.org](#) and follow us on social media (@weareseismica). Kind regards from the Seismica Management Committee:

*Executive Editors: Christie Rowe, Community (McGill University), Kate Rychert, EDI (Woods Hole Oceanographic Institution), Sam Teplitzky, Open Science (University of California Berkeley), Carmine Galasso, Operations (University College London) and Gareth Funning, Production (University of California Riverside)*

*Team Chairs: Tran Huynh, Media & Branding (Southern California Earthquake Center), Kiran Kumar Thingbaijam, Fast Reports (GNS Science), Hannah Mark, Standards & Copy-Editing (Woods Hole Oceanographic Institution), Théa Ragon, Standards & Copy-Editing (Caltech), Martijn van den Ende, Tech (Université Côte d'Azur), Thomas Lecocq, Tech (Royal Observatory of Belgium), Greg Beroza, Editorial Mentoring (Stanford University).*